RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/576,792
Source: EFWP
Date Processed by STIC: 5-5-06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/576,792 CRF Edit Date: 5-5-06
Edited by: TCL

___ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

___ **Corrected the SEQ ID NO. Sequence numbers edited were:**

_____

___ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

_____

__✓__ **Deleted:** __✓__ **invalid beginning/end-of-file text ; ___ page numbers**

___ **Inserted mandatory headings/numeric identifiers, specifically:**

_____

___ **Moved responses to same line as heading/numeric identifier, specifically:**

_____

___ **Other:**

_____
_____
_____

Revised 09/09/2003

IFWP

RAW SEQUENCE LISTING DATE: 05/05/2006
PATENT APPLICATION: **US/10/576,792** TIME: 14:58:14

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\05052006\J576792.raw**

3 <110> APPLICANT: Bayer HealthCare AG
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with G Protein-
6 Coupled Receptor 85 (GPR85)
8 <130> FILE REFERENCE: BHC 03 01 056
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,792
C--> 10 <141> CURRENT FILING DATE: 2006-04-21
10 <160> NUMBER OF SEQ ID NOS: 5
12 <170> SOFTWARE: PatentIn version 3.1
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 3685
16 <212> TYPE: DNA
17 <213> ORGANISM: Homo sapiens
19 <400> SEQUENCE: 1
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21 ttttgtttca ttaacagatt attataaagc aaaaagcatg cagaaaaaga agcagacgtt 120
22 ttacattggg aattaatgaa agcgtgtctg ctagttttgg gtaggagaac tgggaagttg 180
23 ttgcttaaaa ttttatatca cctccacaaa caaaactctt cggaaatggt aaaataagaa 240
24 aatgcatgat tctagaggca ttcctaagca cccacgtgtc aggctttgtg gtgtctgtgg 300
25 tatcatccga ccgtttggac tggttagggc ttactgagag ctccatttct ggaaagcctt 360
26 acaagactga ggaatatcag actgcgaatc accgggaacg gttcctttgc agcacagaag 420
27 caatctctct ccccatcttc gcatattctg atggcaaaac aagtggaaga aaagaggaag 480
28 catgactgca gatcagatca gttctctttg tggattatat tttcagtaaa atgtatggat 540
29 ctatcttttc cttgttctta tatctagatc atgagacttg actgaggctg tatccttatc 600
30 ctccatccat ctatggcgaa ctatagccat gcagctgaca acattttgca aaatctctcg 660
31 cctctaacag cctttctgaa actgacttcc ttgggtttca taataggagt cagcgtggtg 720
32 ggcaacctcc tgatctccat tttgctagtg aaagataaga ccttgcatag agcaccttac 780
33 tacttcctgt tggatctttg ctgttcagat atcctcagat ctgcaatttg tttcccattt 840
34 gtgttcaact ctgtcaaaaa tggctctacc tggacttatg ggactctgac ttgcaaagtg 900
35 attgcctttc tgggggtttt gtcctgtttc cacactgctt tcatgctctt ctgcatcagt 960
36 gtcaccagat acttagctat cgcccatcac cgcttctata caaagaggct gacctttggg 1020
37 acgtgtctgg ctgtgatctg tatggtgtgg actctgtctg tggccatggc atttcccccg 1080
38 gttttagacg tgggcactta ctcattcatt agggaggaag atcaatgcac cttccaacac 1140
39 cgctccttca gggctaatga ttccttagga tttatgctgc ttcttgctct catcctccta 1200
40 gccacacagc ttgtctacct caagctgata tttttcgtcc acgatcgaag aaaaatgaag 1260
41 ccagtccagt ttgtagcagc agtcagccag aactggactt ttcatggtcc tggagccagt 1320
42 ggccaggcag ctgccaattg gctagcagga tttggaaggg gtcccacacc acccaccttg 1380
43 ctgggcatca ggcaaaatgc aaacaccaca ggcagaagaa ggctattggt cttagacgag 1440
44 ttcaaaatgg agaaaagaat cagcagaatg ttctatataa tgacttttct gtttctaacc 1500
45 ttgtggggcc cctacctggt ggcctgttat tggagagttt ttgcaagagg gcctgtagta 1560
46 ccaggggat ttctaacagc tgctgtctgg atgagttttg cccaagcagg aatcaatcct 1620
47 tttgtctgca ttttctcaaa cagggagctg aggcgctgtt tcagcacaac ccttctttac 1680
48 tgcagaaaat ccaggttacc aagggaacct tactgtgtta tatgagggag catctgtaaa 1740
49 tctttagcct tgtgaaaact aaccttctct gctgagcaat tgtggcccat agccatattt 1800

RAW SEQUENCE LISTING DATE: 05/05/2006
PATENT APPLICATION: US/10/576,792 TIME: 14:58:14

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\05052006\J576792.raw

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50 tgagaagaaa ttcaagaatg gaatcagcag ttttaaggat ttgggcaaca ttctgcagtc   1860
51 tttgcaatag ttcacctata atcctatttt aaatctcaga gtgatcctgc tgactgccag   1920
52 caaaggtttg taattaagaa gggactgaac cactgcccta agtttcttta tgtggtcaaa   1980
53 aactagataa tgaaagtagc aggtgctaag tatcagtgct aaatgctctg tatgtcacta   2040
54 catatgaaaa aacatcaaaa aacaattagc attggacatc ttaataaatt aagttgacat   2100
55 gaggtaaatg tgttgataaa aactaatttt agaagtttga agactttaaa acatttcata   2160
56 ctactattgt tttgcaaaga ctaaaatatt tggggactta aagtactgta atccactaaa   2220
57 gacgtgccaa tgaattattg gaatatcaca ctttaaaaac cgccttgtaa gttctgggga   2280
58 gcattccaaa gcagtatatt ggttccaatt agagtttact ttttttgtat taatacattg   2340
59 ctatttctaa ataccacttt cctcatctac tagtaagatt gctagcattg aactgtatta   2400
60 tgtggttttt gttgatttgg tataaagttt ttccaattca tttatatttt acaaatgcta   2460
61 gatattggtc tgggaggcaa cattaatggt accagcctgt cacaactgag cagttctaat   2520
62 aatgcagaat aaatacatgt tgccttaaag ggttatctag tatccttcat cttatttagc   2580
63 actggagcaa atagccaagg gaaatcaaat cagtaactgg tcatggtcat gcatctaaaa   2640
64 gtgcatggaa gatcatttat tacttttttcc ttttttttctc acatggtttg aaacttaaag   2700
65 tgcacatcac tgaaataatg agattttctt ctacggtgtg ctacccttttc taaactgttc   2760
66 taagaagcag gcagttgatg tatgtttata ttttaagtca gctgtcaagg ggagaccaca   2820
67 gccttagtat gacatcctgc acaatttgtg aagcatttat tctactgaag gcacagtctt   2880
68 gtttatactt tctgcacatt cagtgtattg gtaatttaaa ttatttcagt tttaacttgt   2940
69 gaaagcttat attatgattt ctggtatttt agaaatacat tagagtctgt gagtctcatt   3000
70 ctttaagata cagatgtgtg aacttcaata taaagttgca tttgccaaaa tttacccgtg   3060
71 tagcctgtta attttcttga aataagtttt acatttttgg cacataacaa cgttttttt   3120
72 aatttgggag gcaagcacaa actaggaaga ctagctttat tatggttttg ctttttgatt   3180
73 cttgtagcta ctatattcca gactggaaat gtatgaatga taatcaacat aatgctgata   3240
74 aactgacata atattatctg taaaagcatt atttggtagt ttattataat catccctcta   3300
75 ttattcttaa atgccagtag tatttagaga tgtgtacctg cttagttaat tggctcagaa   3360
76 ttttaatata aacatcacac tttaatttgg agcatagtac catagaaatt tggggttcta   3420
77 aatatacaac ttgtaagaag aatggtttac actaacatta tgacaaaact agaaaaagtt   3480
78 attatttttg tttgctttct gttgttttgt ttattggttg gtttttgtga agtttatttt   3540
79 ttttttggta tttgataatt aagattagga atctaataac acagaattcc atattgctat   3600
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81 atggttaaaa aaaaaaaaaa aaaaa                                        3685
83 <210> SEQ ID NO: 2
84 <211> LENGTH: 370
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 2
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91 Pro Leu Thr Ala Phe Leu Lys Leu Thr Ser Leu Gly Phe Ile Ile Gly
92             20                  25                  30
93 Val Ser Val Val Gly Asn Leu Leu Ile Ser Ile Leu Leu Val Lys Asp
94         35                  40                  45
95 Lys Thr Leu His Arg Ala Pro Tyr Tyr Phe Leu Leu Asp Leu Cys Cys
96     50                  55                  60
97 Ser Asp Ile Leu Arg Ser Ala Ile Cys Phe Pro Phe Val Phe Asn Ser
98 65                  70                  75                  80
99 Val Lys Asn Gly Ser Thr Trp Thr Tyr Gly Thr Leu Thr Cys Lys Val
100                 85                  90                  95
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RAW SEQUENCE LISTING DATE: 05/05/2006
PATENT APPLICATION: US/10/576,792 TIME: 14:58:14

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\05052006\J576792.raw

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101 Ile Ala Phe Leu Gly Val Leu Ser Cys Phe His Thr Ala Phe Met Leu
102             100                 105                 110
103 Phe Cys Ile Ser Val Thr Arg Tyr Leu Ala Ile Ala His His Arg Phe
104         115                 120                 125
105 Tyr Thr Lys Arg Leu Thr Phe Trp Thr Cys Leu Ala Val Ile Cys Met
106     130                 135                 140
107 Val Trp Thr Leu Ser Val Ala Met Ala Phe Pro Pro Val Leu Asp Val
108 145                 150                 155                 160
109 Gly Thr Tyr Ser Phe Ile Arg Glu Glu Asp Gln Cys Thr Phe Gln His
110                 165                 170                 175
111 Arg Ser Phe Arg Ala Asn Asp Ser Leu Gly Phe Met Leu Leu Leu Ala
112             180                 185                 190
113 Leu Ile Leu Leu Ala Thr Gln Leu Val Tyr Leu Lys Leu Ile Phe Phe
114         195                 200                 205
115 Val His Asp Arg Arg Lys Met Lys Pro Val Gln Phe Val Ala Ala Val
116     210                 215                 220
117 Ser Gln Asn Trp Thr Phe His Gly Pro Gly Ala Ser Gly Gln Ala Ala
118 225                 230                 235                 240
119 Ala Asn Trp Leu Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Thr Leu
120                 245                 250                 255
121 Leu Gly Ile Arg Gln Asn Ala Asn Thr Thr Gly Arg Arg Arg Leu Leu
122             260                 265                 270
123 Val Leu Asp Glu Phe Lys Met Glu Lys Arg Ile Ser Arg Met Phe Tyr
124         275                 280                 285
125 Ile Met Thr Phe Leu Phe Leu Thr Leu Trp Gly Pro Tyr Leu Val Ala
126     290                 295                 300
127 Cys Tyr Trp Arg Val Phe Ala Arg Gly Pro Val Val Pro Gly Gly Phe
128 305                 310                 315                 320
129 Leu Thr Ala Ala Val Trp Met Ser Phe Ala Gln Ala Gly Ile Asn Pro
130                 325                 330                 335
131 Phe Val Cys Ile Phe Ser Asn Arg Glu Leu Arg Arg Cys Phe Ser Thr
132             340                 345                 350
133 Thr Leu Leu Tyr Cys Arg Lys Ser Arg Leu Pro Arg Glu Pro Tyr Cys
134         355                 360                 365
135 Val Ile
136     370
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139 <211> LENGTH: 20
140 <212> TYPE: DNA
141 <213> ORGANISM: artificial sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: forward primer
146 <400> SEQUENCE: 3
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150 <211> LENGTH: 19
151 <212> TYPE: DNA
152 <213> ORGANISM: artificial sequence
154 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 05/05/2006
PATENT APPLICATION: US/10/576,792 TIME: 14:58:14

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\05052006\J576792.raw

155 <223> OTHER INFORMATION: reverse primer
157 <400> SEQUENCE: 4
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160 <210> SEQ ID NO: 5
161 <211> LENGTH: 25
162 <212> TYPE: DNA
163 <213> ORGANISM: artificial sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: probe
168 <400> SEQUENCE: 5
169 ccaggggat ttctaacagc tgctg 25

VERIFICATION SUMMARY DATE: 05/05/2006
PATENT APPLICATION: **US/10/576,792** TIME: 14:58:15

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\05052006\J576792.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)

IFWP

RAW SEQUENCE LISTING DATE: 05/03/2006
PATENT APPLICATION: **US/10/576,792** TIME: 11:26:14

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\05032006\J576792.raw**

3 <110> APPLICANT: Bayer HealthCare AG
5 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with G Protein-
6 Coupled Receptor 85 (GPR85)
8 <130> FILE REFERENCE: BHC 03 01 056
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/576,792
C--> 10 <141> CURRENT FILING DATE: 2006-04-21
10 <160> NUMBER OF SEQ ID NOS: 5
12 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply
Corrected Diskette Needed
(PG. 1)

ERRORED SEQUENCES

160 <210> SEQ ID NO: 5
161 <211> LENGTH: 25
162 <212> TYPE: DNA
163 <213> ORGANISM: artificial sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: probe
168 <400> SEQUENCE: 5
169 ccaggggat ttctaacagc tgctg 25
E--> 172 BHC 03 1 056-Foreign Countries
W--> 174 - 4 -

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VERIFICATION SUMMARY DATE: 05/03/2006
PATENT APPLICATION: **US/10/576,792** TIME: 11:26:15

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\05032006\J576792.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:172 M:334 E: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:5
L:174 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5